

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P593233

Luminaire Tested: **HCC6S35D010BZ-HM63040850-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S35D010BZ-HM63040850-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

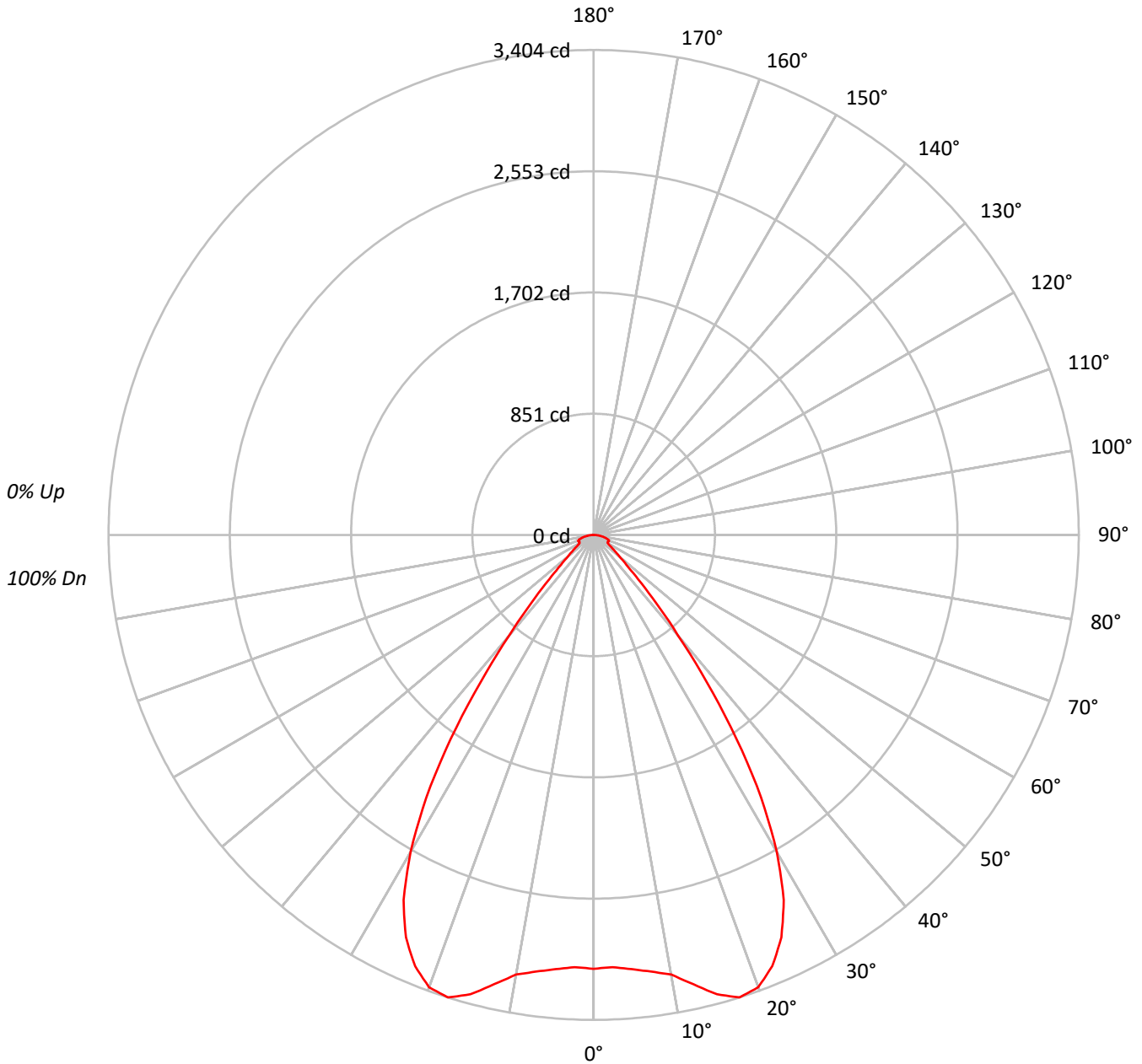
Lumens per Lamp: N/A
Luminaire Lumens: 4475.5 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P593233
CATALOG NUMBER: HCC6S35D010BZ-HM63040850-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P593233
 CATALOG NUMBER: HCC6S35D010BZ-HM63040850-61WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20		
RC	80				70				50				30				10		0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93		91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84		82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77		75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70		69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65		63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60		58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55		54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51		50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48		46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166922
5°	168346
10°	174412
15°	189451
20°	197061
25°	188485
30°	162664
35°	117122
40°	65981
45°	34197
50°	20383
55°	14690
60°	12477
65°	14398
70°	18240
75°	19275
80°	18879
85°	17926



TEST NUMBER: P593233
 CATALOG NUMBER: HCC6S35D010BZ-HM63040850-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.4	6.6
10°-20°	941.5	21.0
20°-30°	1407.2	31.4
30°-40°	1075.7	24.0
40°-50°	375.7	8.4
50°-60°	143.2	3.2
60°-70°	112.3	2.5
70°-80°	95.0	2.1
80°-90°	30.6	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2643.1	59.1
0°-40°	3718.8	83.1
0°-60°	4237.6	94.7
0°-90°	4475.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4475.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3045	
5°	3059	294
15°	3338	941
25°	3116	1407
35°	1750	1076
45°	441	376
55°	154	143
65°	111	112
75°	91	95
85°	28	31
90°	0	



TEST NUMBER: P593233
CATALOG NUMBER: HCC6S35D010BZ-HM63040850-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3044.9
2.5°	3036.4
5°	3059.2
7.5°	3090.4
10°	3133.2
12.5°	3229.9
15°	3338.1
17.5°	3403.6
20°	3377.9
22.5°	3275.4
25°	3116.1
27.5°	2888.4
30°	2569.7
32.5°	2188.4
35°	1750.1
37.5°	1297.7
40°	922.0
42.5°	645.9
45°	441.1
47.5°	310.2
50°	239.0
52.5°	187.8
55°	153.7
57.5°	125.2
60°	113.8
62.5°	111.0
65°	111.0
67.5°	116.7
70°	113.8
72.5°	105.3
75°	91.0
77.5°	76.8
80°	59.8
82.5°	42.7
85°	28.5
87.5°	11.4
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)